Task

Create a simple web application to keep track of tasks that Graduate Research Assistants (GRAs) are currently doing.

Technologies Involved

- A relational DBMS of your choice (e.g. PostgreSQL, MySQL)
- Web framework of your choice for the backend (Preferred: Django/Flask or NodeJS)
- RESTful APIs
- ReactJS for the frontend
- Git/GitHub

Requirements

- Two types of user accounts: Admin and GRA
- Admin can:
    - View a list of GRAs
    - Create GRA
        - Name
        - Degree? (one of: Master's, PhD)
        - Major? (one of: Computer Science, Earth Science)
        - Skills (a textfield to highlight their main skills)
    - Edit GRA information
    - Delete GRA
    - Create tasks with details and a deadline
    - Edit task
    - Delete task
    - View a list of tasks on the system with a progress bar for each
    - Assign tasks to GRAs
    - View a GRA's profile with a list of their assigned tasks, and status
- GRA can:
    - View a list of tasks on the system
    - View a list of tasks assigned to them
    - Mark progress within a task (between 0% and 100%)
    - Set a status (eg. I'm unavailable between May 3 to May 15)

Deliverables

- A git repository with the code
- Instructions on how to run your code on localhost in the README
- An ER diagram of the main database tables